

B Street / Broadway Piers, Downtown Anchorage, and Switzer Creek TMDLs

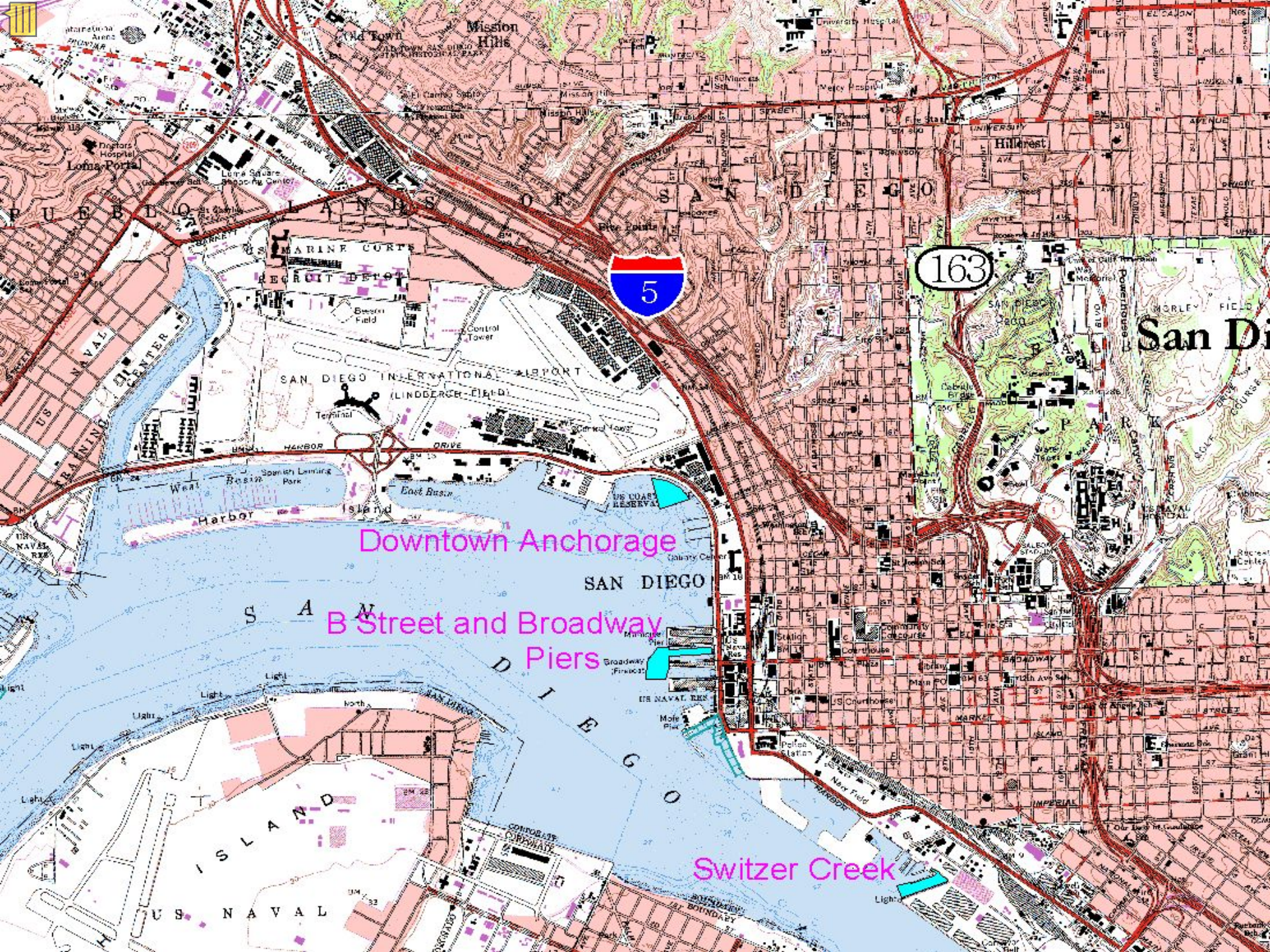
**Public Workshop
& CEQA Scoping Meeting
April 21, 2003**

Presented by Brennan Ott



Workshop Outline

- Introduction to Downtown Anchorage, Switzer Creek, and B Street / Broadway Piers TMDLs
- Sampling and Analysis (UC Davis)
- CEQA Scoping Meeting
- Questions and Comments



Downtown Anchorage

B Street and Broadway
Piers

Switzer Creek



Site History

- 1996 and 1998 BPTCP reports
- Downtown Anchorage and Switzer Creek identified as Toxic Hot Spots and listed on 303(d)
- B Street / Broadway Piers listed on 303(d)



Downtown Anchorage (Formerly Grape Street) BPTCP Results

Parameter	BPTCP Station 90002
Amphipod Toxicity	x
Benthic Community	x
Chlordane	x
Metals	x



Switzer Creek BPTCP Results

Parameter	BPTCP Station	
	90017	90039
Amphipod Toxicity		x
Benthic Community	x	x
Chlordane	x	x
Metals	x	x



B Street / Broadway Piers (Formerly Downtown Piers) BPTCP Results

Parameter	BPTCP Station		
	90003	93205	93206
Amphipod Toxicity			
Benthic Community	x	x	x
Chlordane	x		x
PAH	x	x	x

Beneficial Uses

Aquatic Life	Aquatic-Dependent Wildlife	Human Health	Other
Estuarine Habitat (EST)	Wildlife Habitat (WILD)	Shellfish Harvesting (SHELL)	Navigation (NAV)
Migration of Aquatic Organisms (MIGR)	Preservation of Biological Habitats of Special Significance (BIOL)	Contact Water Recreation (REC-1)	Industrial Service Supply (IND)
Marine Habitat (MAR)	Rare, Threatened or Endangered Species (RARE)	Non-Contact Water Recreation (REC-2)	
		Commercial and Sport Fishing (COMM)	

Phase 1

Measure Spatial Extent and Magnitude of Impact

Measure sediment quality indicators
Identify and map impaired areas

Phase 2 - TMDL Development

Determine cause of impairment (TIE)
Determine sources
Develop numeric targets
Determine allocations

Cleanup Actions

Identify indicator chemicals
Calculate cleanup levels

Phase 3

TMDL Implementation

Source control
Source reduction

Phase 4

Cleanup Implementation



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TMDL Elements

- Problem statement
- Numeric targets
- Source analysis
- Linkage analysis
- Margin of safety
- TMDL
- Allocations
- Implementation plan



Site Assessment

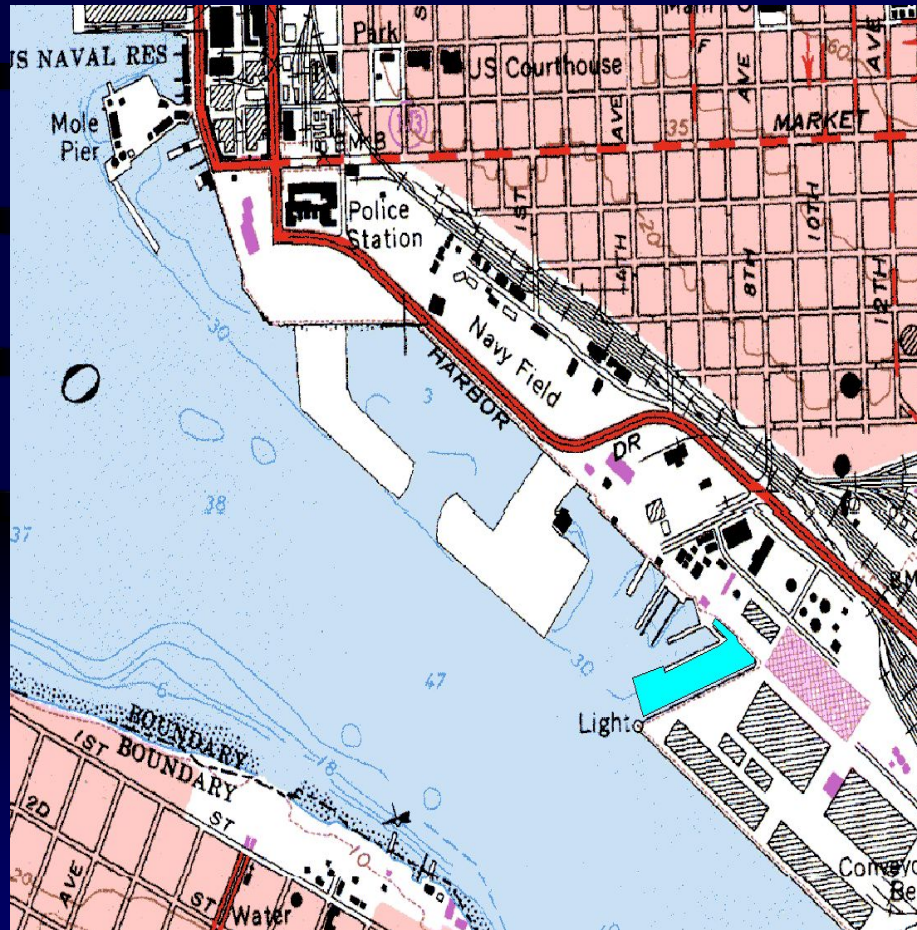
- Data collection starting June 2003
- Sampling and analysis similar to Bight 98, Shipyard, and Chollas/Paletta studies
- Data needed
 - Sediment chemistry
 - Bioaccumulation
 - Toxicity
 - Benthic community
 - Toxicity Identification Evaluation (TIE)



Project Challenges

- Determining cleanup levels
- Identifying sources
- Controlling sources
- Evaluating cleanup alternatives
- Cleanup of sediments
- Re-suspension of sediment

Switzer Creek



Site specific issues

- Proposed Campbell shipyard cap
- Dredging at 10th Ave Marine Terminal
- Switzer Creek
- Ship activity

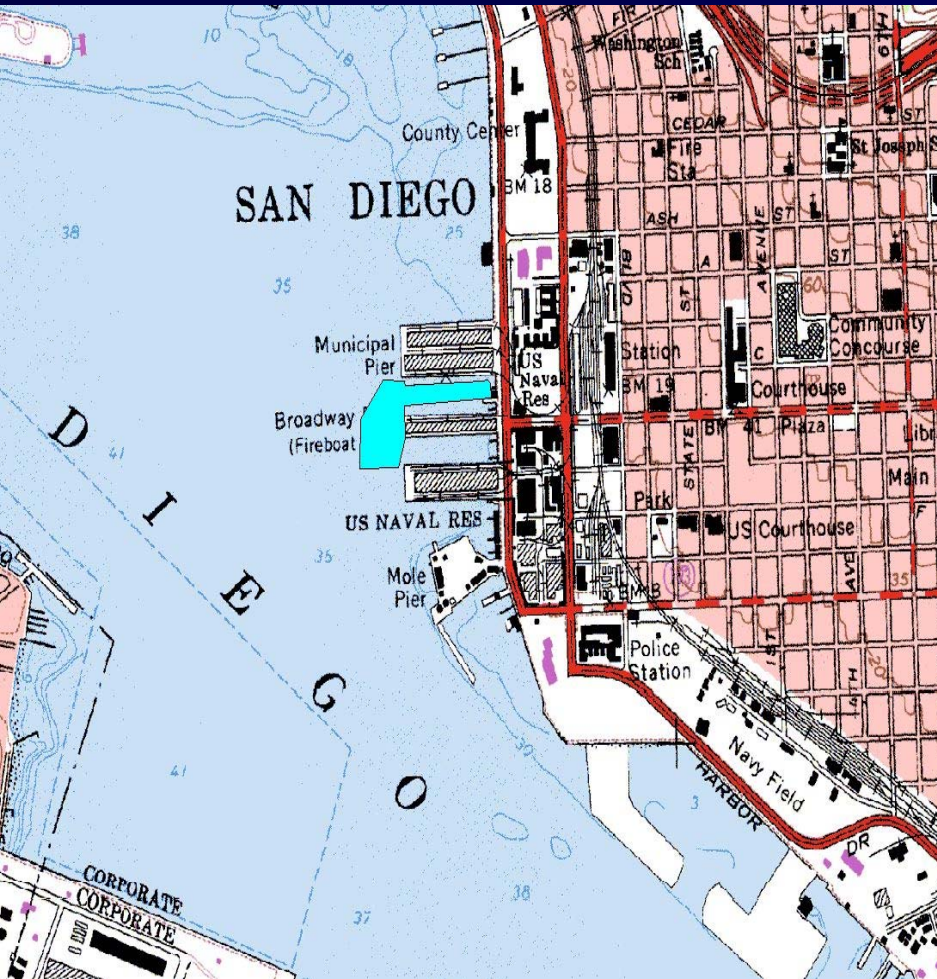
Downtown Anchorage



Site specific issues

- Other investigations
- Stormdrains

B Street / Broadway Piers



Site specific issues

- Ship activity
- Stormdrains



Target Schedule

Phase 1

Measure Spatial Extent and Magnitude of Impact

Measure sediment quality indicators
Identify and map impaired areas

Phase 2 - (TMDL Actions)

Determine cause of impairment (TIE)
Determine sources
Develop numeric targets
Determine allocations

Cleanup Actions

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Calculate cleanup levels

Phase 3

TMDL Implementation

Source control
Source reduction

Phase 4

Cleanup Implementation





Target Schedule

- Phase I - March 2004
- Phase II - March 2005



San Diego Bay TMDLs Working Group

- Committed group to advise the Regional Board and participate during the TMDL process
- Emphasis on implementation planning
- Key representatives from various stakeholder groups



Public Participation

- Subscription lists
- Web-site: www.swrcb.ca.gov/rb9
- Email:
SDBAY_TMDLS@rb9.swrcb.ca.gov
- Informal public input
- Formal comment period
- Brennan Ott: otbre@rb9.swrcb.ca.gov or
(858) 268-5362